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- ☐ 5: Choi IS, Hash SM, Winslow BJ, Collisson EW. Related Articles, Nucleotide, Protein
Sequence analyses of feline B7 costimulatory molecules. Vet Immunol Immunopathol. 2000 Mar 15;73(3-4):219-31. PMID: 10713336 [PubMed - indexed for MEDLINE]

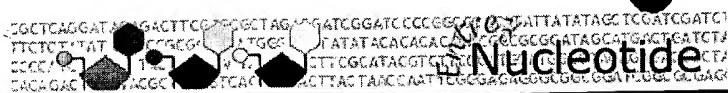
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Novel transcripts encoding secreted forms of feline CD80 and CD86 costimulatory molecules.
Vet Immunol Immunopathol. 2001 Aug 30;81(1-2):15-21.
PMID: 11498243 [PubMed - indexed for MEDLINE]
- ☐ 8: Yang S, Sim GK. Related Articles, Nucleotide, Protein
New forms of dog CD80 and CD86 transcripts that encode secreted B7 molecules.
Immunogenetics. 1999 Dec;50(5-6):349-53. No abstract available.
PMID: 10630300 [PubMed - indexed for MEDLINE]
- ☐ 9: Zhang D, Johnson RP. Related Articles
Molecular cloning and comparative analysis of the rhesus macaque costimulatory molecules CD80 (B7-1) and CD86 (B7-2).
Cell Immunol. 1997 Apr 10;177(1):9-17.
PMID: 9140091 [PubMed - indexed for MEDLINE]
- ☐ 10: Ohno K, Fujiki M, Khatlani TS, Inokuma H, Onishi T. Related Articles, Nucleotide, Protein
Cloning of feline cDNA encoding the cytotoxic T lymphocyte-associated antigen 4 (CTLA-4).
J Vet Med Sci. 1999 Nov;61(11):1241-4.
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- ☐ 11: Maeda K, Sato T, Azuma M, Yagita H, Okumura K. Related Articles, Nucleotide, Protein
Characterization of rat CD80 and CD86 by molecular cloning and mAb.
Int Immunol. 1997 Jul;9(7):993-1000.
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- ☐ 12: Khatlani TS, Ohno K, Ma Z, Inokuma H, Onishi T. Related Articles, Nucleotide, Protein
Cloning and sequencing of dog cDNA encoding the T-cell costimulatory molecule (CTLA-4).
Immunogenetics. 2000 Jan;51(1):79-81. No abstract available.
PMID: 10663567 [PubMed - indexed for MEDLINE]
- ☐ 13: Ikemizu S, Gilbert RJ, Fennelly JA, Collins AV, Harlos K, Jones EY, Stuart DI, Davis SJ. Related Articles, Protein, Structure
Structure and dimerization of a soluble form of B7-1.
Immunity. 2000 Jan;12(1):51-60.
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- ☐ 14: Oaks MK, Hallett KM, Penwell RT, Stauber EC, Warren SJ, Tector AJ. Related Articles
A native soluble form of CTLA-4.
Cell Immunol. 2000 May 1;201(2):144-53.
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- ☐ 15: O'Regan MN, Parsons KR, Tregaskes CA, Young JR. Related Articles
A chicken homologue of the co-stimulating molecule CD80 which binds to mammalian CTLA-4.
Immunogenetics. 1999 Jan;49(1):68-71. No abstract available.
PMID: 9811970 [PubMed - indexed for MEDLINE]

- ☐ **16:** [Judge TA, Liu M, Christensen PJ, Fak JJ, Turka LA.](#) Related Articles, Nucleotide, Protein
Cloning the rat homolog of the CD28/CTLA-4-ligand B7-1: structural and functional analysis.
Int Immunol. 1995 Feb;7(2):171-8.
PMID: 7537533 [PubMed - indexed for MEDLINE]
- ☐ **17:** [Jeannin P, Magistrelli G, Aubry JP, Caron G, Gauchat JF, Renno T, Herbault N, Goetsch L, Blaecke A, Dietrich PY, Bonnefoy JY, Delneste Y.](#) Related Articles, OMIM
Soluble CD86 is a costimulatory molecule for human T lymphocytes.
Immunity. 2000 Sep;13(3):303-12.
PMID: 11021528 [PubMed - indexed for MEDLINE]
- ☐ **18:** [Choi IS, Hash SM, Collisson EW.](#) Related Articles, Nucleotide, Protein
Molecular cloning and expression of feline CD28 and CTLA-4 cDNA.
Vet Immunol Immunopathol. 2000 Aug 31;76(1-2):45-59.
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□1: U57755. Felis catus T-cel...[gi:2065520]

Related Sequences, Protein, Taxonomy

LOCUS FCU57755 941 bp mRNA linear MAM 02-MAY-1997
DEFINITION Felis catus T-cell specific surface glycoprotein B7-1 mRNA,
complete cds.

ACCESSION U57755
VERSION U57755.1 GI:2065520

KEYWORDS

SOURCE

ORGANISM Feli

ORGANISM Felis catus

Felis catus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Carnivora; Fissipedia; Felidae; Felis.

REFERENCE 1 (bases 1 to 941)

AUTHORS Hash, S.M. and Collisson, E.W.

AUTHORS	HASH, S.M. and COLLISSEN, E.W.
TITLE	Felis catus t-cell specific surface glycoprotein B7-1
JOURNAL	Thesis (1996) Veterinary Pathobiology, Texas A&M Univ

REFERENCE 2 (bases 1 to 941)

AUTHORS Hash, S.M.

TITLE Direct Submission

JOURNAL Submitted (08-MAY-1996) Stephen M. Hash, Veterinary Pathobiology,
Texas A&M University, Bldg. 1197 Rm. 222, College Station, TX
77843, USA

FEATURES

source

Location/Qualifiers

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☐ 1: AAB53575. T-cell specific s...[gi:2065521] [BLink](#), [Nucleotide](#), [Related Sequences](#), [Taxonomy](#), [LinkOut](#)

LOCUS AAB53575 292 aa linear MAM 02-MAY-1997
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 DBSOURCE locus FCU57755 accession [U57755.1](#)
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 SOURCE cat.
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 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Carnivora; Fissipedia; Felidae; Felis.
 REFERENCE 1 (residues 1 to 292)
 AUTHORS Hash, S.M. and Collisson, E.W.
 TITLE *Felis catus* t-cell specific surface glycoprotein B7-1
 JOURNAL Thesis (1996) Veterinary Pathobiology, Texas A&M Univ
 REFERENCE 2 (residues 1 to 292)
 AUTHORS Hash, S.M.
 TITLE Direct Submission
 JOURNAL Submitted (08-MAY-1996) Stephen M. Hash, Veterinary Pathobiology,
 Texas A&M University, Bldg. 1197 Rm. 222, College Station, TX
 77843, USA
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